

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8207 (1976): Forceps, Rongeur, Dental [MHD 8: Dentistry]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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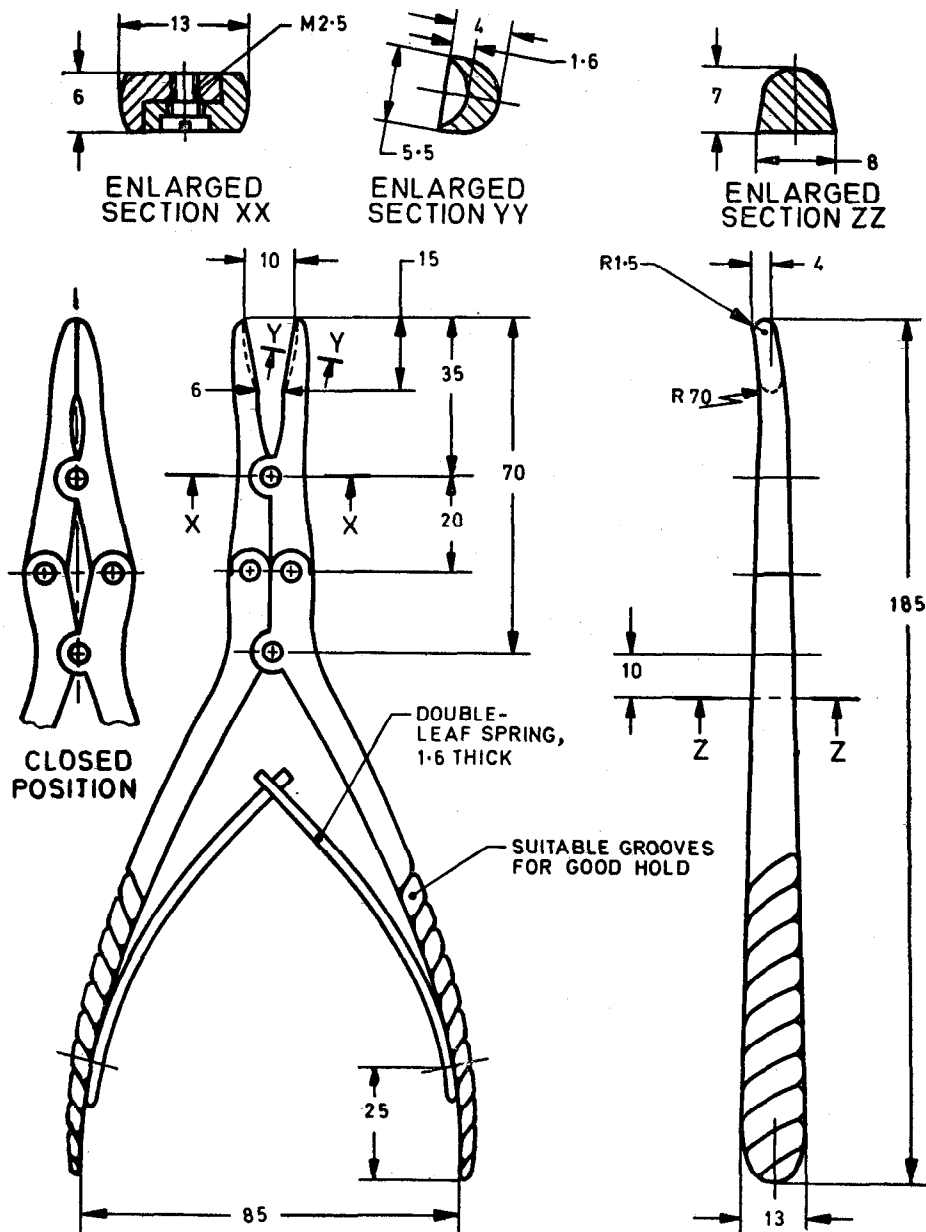




Indian Standard  
SPECIFICATION FOR  
FORCEPS, RONGEUR, DENTAL

**1. Scope** — Covers dimensional and other requirements for double-action rongeur forceps used in dental surgery.

**2. Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 FORCEPS, RONGEUR, DENTAL

**2.1** A deviation of  $\pm 2.5$  percent shall be allowed on all dimensions.

**3. Material**

**3.1 Arms and Double-Leaf Spring** — shall be of stainless steel conforming to Designation 40Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

**3.2 Screws** — shall be of stainless steel conforming to Designation 20Cr13 of IS : 6603-1972.

#### **4. Workmanship**

**4.1** The forceps shall be free from rough edges, pits, burrs, cracks and other surface defects.

**4.2** The cutting edges shall be sharp and uniform, and shall be free from nicks, waviness and jags.

**4.3** When the jaws are closed, the cutting edges shall meet evenly throughout the length at one time.

**4.4** The joints shall have no undue play.

**4.5** The spring action shall be smooth. It shall be neither too hard nor too slack.

**5. Heat Treatment** — The arms shall be hardened and tempered to a hardness of 520 to 600 *HV*, the spring to a hardness of 380 to 420 *HV* and the screw to a hardness of 290 to 320 *HV*.

**6. Finish** — The forceps shall be polished bright and passivated. The polishing shall be done in accordance with the choice of the consumer.

#### **7. Tests**

**7.1 Performance** — Cut a piece of rib of a fully grown goat or sheep five times with the rongeur. Each time the rongeur shall cut the rib evenly in one bite without any undue resistance, the cutting edges shall not show any sign of damage during or after the test.

**7.2 Load Closure** — Apply a compressive force of  $15 \pm 2$  N at the ends of the handles. The cutting edges shall meet evenly throughout the application of force.

**7.3 Corrosion Resistance** — Test the rongeur forceps in accordance with IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'. It shall show no sign of corrosion after the test.

**8. Marking** — The rongeur forceps shall be marked with the following:

- a) Manufacturer's name, initials or recognized trade-mark; and
- b) The country of manufacture.

**8.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**9. Packing** — The rongeur forceps shall be wrapped in moisture-proof paper or packed in polyethylene bags, using suitable cushioning material like folded tissue paper, and shall then be packed in individual cartons; or shall be packed as agreed to between the purchaser and the supplier.